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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

06/18/2002

Jordan and Hamburg 122 East 42nd Street New York, NY 10168 EXAMINER

MARTIN, ANGELA J

ART UNIT CLASS-SUBCLASS

1745 429-120000

DATE MAILED: 06/18/2002

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO.

09/516,556 02/29/2000 Mitsugu Takaki F-6464 9936

TITLE OF INVENTION: INTEGRATED SEALED SECONDARY BATTERY

i

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1280	\$0	\$1280	09/18/2002

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED, THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above. If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

B. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

 Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



PART B - FEE(S) TRANSMITTA

Complete and send this form, together with applicable fee(s), to: Mail Box ISSUE FEE

Commissioner for Patents Washington, D.C. 20231 <u>Fax</u> (703)746-4000

appropriate. All further con indicated unless corrected by maintenance fee notification	respondence including the below or directed otherwise.	e Patent, advance orders ise in Block 1, by (a) sp	and notification ecifying a new co	ATION FEE (if of maintenance fer respondence add	required). Blocks 1 through 4 ses will be mailed to the current tress; and/or (b) indicating a separate separat	hould be completed where correspondence address as arate "FEE ADDRESS" for
Jordan and Hamb	90 06/18/2002 urg	•	Block 1)	Fee(s) Transmi	ate of mailing can only be used for ttal. This certificate cannot papers. Each additional paper, s must have its own certificate of n	be used for any other
122 East 42nd Stree New York, NY 101				United States Po envelope address	Certificate of Mailing or Trans that this Fee(s) Transmittal is stal Service with sufficient posta sed to the Box Issue Fee address e USPTO, on the date indicated by	being deposited with the ge for first class mail in an above, or being facsimile
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						(Signature)
						(Date)
APPLICATION NO.	FILING DATE	FIRS	T NAMED INVEN	ror	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/516,556	02/29/2000	<u> </u>	Mitsugu Takaki		F-6464	9936
APPLN. TYPE	SMALL ENTITY NO	ISSUE FEE \$1280	PUBLI	CATION FEE	TOTAL FEE(S) DUE	DATE DUE 09/18/2002
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EXAMIN		ART UNIT	CLASS-SUBCL			
MARTIN, AN	NGELA J	1745	429-12000	U		
1. Change of correspondent CFR 1.363). ☐ Change of corresponde Address form PTO/SB/12 ☐ "Fee Address" indication	nce address (or Change of 2) attached.	f Correspondence	the names of up or agents OR, single firm (ha attorney or age	on the patent from to 3 registered palternatively, (2) ving as a membrate and the name attorneys or age:	patent attorneys the name of a er a registered es of up to 2 1 2	
PTO/SB/47) attached. Use	e of a Customer Number	r is required.		e will be printed.	3	
3. ASSIGNEE NAME AND PLEASE NOTE: Unless ar been previously submitted (A) NAME OF ASSIGNEE	n assignee is identified be to the USPTO or is being	elow, no assignee data wi submitted under separate	ll appear on the p cover. Completio	atent Inclusion of	f assignee data is only appropriat OT a substitute for filing an assig COUNTRY)	e when an assignment has inment.
Please check the appropriate 4a. The following fee(s) are 6	• • •	•	on the patent) ment of Fee(s):	☐ individual	□ corporation or other private g	roup entity 🚨 government
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The content of the co		ment by credit card. Form PTO-2038 is attached. Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to				
Advance Order - # of Co		Deposi	t Account Number		(enclose an extra copy of this usly paid issue fee to the application	form).
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NOTE; The Issue Fee and other than the applicant; a interest as shown by the rec	Publication Fee (if requ registered attorney or a ords of the United States	ired) will not be accepted agent; or the assignee of Patent and Trademark Of	ed from anyone r other party in fice.			
This collection of informat obtain or retain a benefit be application. Confidentiality estimated to take 12 minute completed application form case. Any comments on suggestions for reducing the Patent and Trademark Offin NOT SEND FEES OR Commissioner for Patents,	es to complete, including in to the USPTO. Time with amount of time you his burden, should be sen e. U.S. Department of COMPLETED FORMS Washington, DC 20231.	gathering, preparing, and vill vary depending upon require to complete the to the Chief Informatic commerce, Washington, I TO THIS ADDRES	a submitting the nthe individual sis form and/or on Officer, U.S. D.C. 20231. DO S. SEND TO:			
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/516,556	02/29/2000	Mitsugu Takaki	F-6464	9936
7590 06/18/2002		[EXAMINER	
Jordan and Hamburg			MARTIN, AN	IGELA J
122 East 42nd Stree New York, NY 101		•	ART UNIT	PAPER NUMBER
UNITED STATES			1745	
			DATE MAILED: 06/18/2002	

Determination of Patent Term Extension under 35 U.S.C. 154 (b) (application filed after June 7, 1995 but prior to May 29, 2000)

The patent term extension is 0 days. Any patent to issue from the above identified application will include an indication of the 0 day extension on the front page.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)



Notice of Allowability

Application No. 09/516,556

Angela J. Martin

Applicant(s)

Art Unit

1745



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

Examiner

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.
1. $\overline{\mathbf{X}}$ This communication is responsive to <u>6/6/02</u> .
2. X The allowed claim(s) is/are 10-16 and 18-26 .
3. X The drawings filed on Feb 29, 2000 are accepted by the Examiner.
 4. ☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d). a) ☒ All b) ☐ Some* c) ☐ None of the:
1. 🛛 Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No
3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
*Certified copies not received:
5. Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application). (a) The translation of the foreign language provisional application has been received.
6. Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.
7. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. CORRECTED DRAWINGS must be submitted.
(a) 🗆 including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) 🗆 hereto or 2) 🗀 to Paper No
(b) ☐ including changes required by the proposed drawing correction filed, which has been approved by the examiner.
(c) including changes required by the attached Examiner's Amendment/Comment or in the Office action of Paper No
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the top margin (not the back) of each sheet. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.
9. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.
Attachment(s)
1 Notice of References Cited (PTO-892) 2 Notice of Informal Patent Application (PTO-152)
3 Notice of Draftsperson's Patent Drawing Review (PTO-948) 4 Interview Summary (PTO-413), Paper No
5 X Information Disclosure Statement(s) (PTO-1449), Paper No(s). 2, 3 6 Examiner's Amendment/Comment
7 Examiner's Comment Regarding Requirement for Deposit of Biological 8 X Examiner's Statement of Reasons for Allowance Material
9 D Other

Application/Control Number: 09/516,556

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REASONS FOR ALLOWANCE

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1. The following is an examiner's statement of reasons for allowance:

The Applicant claims an integrated sealed secondary battery comprising a plurality of cells arranged in a row within rectangular tubular cases having a bottom, with their upper ends being sealed; first cooling medium passages formed on a first side and a second side of the row of cells and having top and bottom walls; second cooling medium passages formed between the cases of the cells that communicate with the first passages; projection strips provided in the first cooling medium passages such as to alternately extend downwards from the top wall and upwards from the bottom wall of the first cooling medium passages so that the first cooling passages meander upwards and downwards; and air escape apertures formed between the top wall of the cooling medium passages and top ends of the projection strips that extend downwards from the top wall of the cooling medium passages.

The prior art of record does not teach projection strips provided in the first cooling medium passages such as to alternately extend downwards from a top wall and upwards from a bottom wall so that the first cooling passages meander upwards and downwards.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Examiner Correspondence

2. Any inquiry concerning this communication or earlier communications from the Examiner

should be directed to Angela J. Martin whose telephone number is (703) 305-0586. The

Examiner can normally be reached on Monday - Friday from 8:00am to 4:00pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's

Supervisor, Patrick Ryan, can be reached at (703) 308-2383.

In order to transmit an unofficial fax, the number is (703) 306-3186. In order to transmit

an official fax/non-final, the number is (703) 872-9310. In order to transmit an official fax/after

final, the number is (703) 872-9311.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the Group receptionist whose telephone number is (703) 308-0661.

STEVEN P. GRIFFIN SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 1700

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